

## 2005 ANNUAL ANALYSIS OF CEDAR & TOLT WATER SUPPLIES

Distribution Water Quality *(unless otherwise noted)*  
 Samples Collected: May 10, 2005 *(unless otherwise noted)*

Tolt Distribution = Higher elevations North of the ship canal.

Cedar Distribution = South of the ship canal & lower elevations North of ship canal.

Water Quality Parameter	State Dept. of Health Maximum Contaminant Level	CEDAR	TOLT	Minimum Reporting Level
Primary Standards *	MCL			
Antimony	6 ug/L	ND	ND	1.0
Arsenic	50 ug/L	ND	ND	1.0
Asbestos \$	7 million fibers/L (>10um long)	ND	ND	0.2
Barium	2000 ug/L	1.9	2.4	1.0
Beryllium	4 ug/L	ND	ND	0.2
Bromate #	10 ug/L	ND (5/04/05)	ND (5/11/05)	5.0
Cadmium	5 ug/L	ND	ND	0.2
Chromium	100 ug/L	ND	ND	1.0
Cyanide	200 ug/L	ND	ND	10
Fluoride	4 mg/L	0.95	1.02	0.10
Haloacetic Acids(5), Total ~	60 ug/L	21.7	29.4	1.0
Mercury	2 ug/L	ND	ND	0.1
Nickel	100 ug/L	ND	ND	1.0
Nitrate-Nitrogen	10 mg/L	0.055	0.15	0.01
Nitrite-Nitrogen	1 mg/L	ND	ND	0.002
Selenium	50 ug/L	ND	ND	1.0
Thallium	2 ug/L	ND	ND	0.2
Trihalomethanes, Total~	80 ug/L	31.4	46.2	0.5
Turbidity #	5 NTU for Cedar/ 0.30 NTU for Tolt	0.38	0.13	0.05
Secondary Standards **	SMCL			
Aluminum	50 - 200 ug/L	16	38	1.0
Chloride	250 mg/L	4.7	3.3	0.5
Color	15 std. units	ND	ND	5.0
Copper	1000 ug/L	1.4	ND	1.0
Fluoride	2 mg/L	0.95	1.02	0.10
Iron	0.3 mg/L	0.036	0.014	0.004
Manganese	50 ug/L	2.6	ND	1.0
pH, range ++	6.5 - 8.5 pH units	7.95 - 8.52	8.00 - 8.34	NA
Silver	100 ug/L	ND	ND	1.0
Solids, Total Dissolved	500 mg/L	47.5	38.7	5.0
Specific Conductance	700 umhos/cm	76.0	71.0	5.0
Sulfate	250 mg/L	ND	1.4	1.0
Zinc	5000 ug/L	1.5	ND	1.0
Other Parameters	Units			
Alkalinity, Total (as CaCO3)	mg/L	21.3	19.7	2.0
Bromide	ug/L	ND	ND	5
Calcium, (as CaCO3)	mg/L	25.2	27.5	2.0
Hardness, (as CaCO3)	mg/L	29.8	29.0	2.0
Hardness, (as CaCO3)	grains/gal.	1.72	1.68	0.1
Magnesium	mg/L	1.11	0.37	0.01
Oxygen, Dissolved	mg/L	12.5	16.2	0.5
Phosphate, soluble-reactive	ug/L	1	2	1
Potassium	mg/L	0.27	0.13	0.02
Silica, Reactive	mg/L	8.20	5.50	1.0
Sodium	mg/L	2.76	1.72	0.08
Temperature, normal annual range	deg. C.	5 - 20	5 - 20	NA
Total Organic Carbon #	mg/L	0.84	1.06	0.20
Lead, Source water	ug/L	ND	ND	1.0
Residential Survey @	Action Level	Combined System		
2004 Lead	15 ug/L	10.4		1.0
2005 Lead		7.0		
2004 Copper	1300 ug/L	264		1.0
2005 Copper		156		

*Primary and Secondary Standards were measured at the Intake to the distribution system after treatment.*

\* Health stds.: Supplier subject to public notification.

\*\* Aesthetic stds.: Supplier not subject to public notification.

~ Average of the last 4 quarters testing, through 5/05.

ND = Not Detected at or above the Minimum Reporting Level

@ Measured at 90th percentile of overnight standing residential samples from homes with copper pipes and lead solder.

++ January-June 2005, 10-90th percentile

\$ Test results 12/15/95 - To be analyzed by 2007.

# As measured at treatment plant.

1 ppm = 1 mg/L = 1000 ug/L

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<http://www.seattle.gov/util/services/waterquality/>